



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|-------------|----------------------|---------------------------|------------------|
| 10/817,233 | 04/01/2004 | Kyung Ku Kim | 2080-3245 | 3041 |
| 7590 | 11/30/2005 | | | |
| JONATHAN Y- KANG, ESQ. LEE, HONG, DEGERMAN, KANG & SCHMADEKA 14th Floor 801 S. Figueroa Street Los Angeles, CA 90017-5554 | | | EXAMINER | |
| | | | CHOWDHURY, TARIFUR RASHID | |
| | | | ART UNIT | PAPER NUMBER |
| | | | 2871 | |
| DATE MAILED: 11/30/2005 | | | | |

Please find below and/or attached an Office communication concerning this application or proceeding.

AK

| | | | |
|------------------------------|-----------------|--------------|--|
| Office Action Summary | Application No. | Applicant(s) | |
| | 10/817,233 | KIM ET AL. | |
| | Examiner | Art Unit | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 31 October 2005.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) 1-8 is/are withdrawn from consideration.
- 5) Claim(s) 9 and 10 is/are allowed.
- 6) Claim(s) 11 and 12 is/are rejected.
- 7) Claim(s) 13 is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 01 April 2004 is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

| | |
|---|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____. | 6) <input type="checkbox"/> Other: _____. |

DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Election/Restrictions

2. Claims 1-8 have been withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on 10/31/05.

Specification

3. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Objections

4. Claims 9, 12 and 13 are objected to because of the following informalities: In claims 9, 12 and 13, "PEP" should be changed to -PET-. Appropriate correction is required.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the

applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

6. Claim 11 is rejected under 35 U.S.C. 102(a) as being anticipated by applicant's admitted prior art (AAPA).

7. The AAPA described in the instant application discloses (pages 3-4) and shows in Figs. 3 and 4, an EMI (electromagnetic interference) shielding film (34) of a flat panel display device, comprising:

- a mesh unit (38) formed of conductive meshes (36) that are intersected with each other; and
- a mesh frame (32) surrounding the mesh unit to support the mesh unit and to define an effective display area on a screen.

Accordingly, claim 11 is anticipated.

8. Claim 11 is rejected under 35 U.S.C. 102(e) as being anticipated by Takahashi et al., (Takahashi), US 2004/0074655.

9. Takahashi discloses and shows in Fig. 1an EMI shielding film (1) of a flat panel display device, comprising:

- a mesh unit formed of conductive meshes (4) that are intersected with each other; and
- a mesh frame (5) surrounding the mesh unit to support the mesh unit and to define an effective display area on a screen.

Accordingly, claim 11 is anticipated.

Claim Rejections - 35 USC § 103

10. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

11. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

12. Claim 12 is rejected under 35 U.S.C. 103(a) as being unpatentable over AAPA or Takahashi in view of Sugimachi et al., (Sugimachi), USPAT 6,429,587.

13. The AAPA or Takahashi differ from the claimed invention because they do not explicitly disclose that the mesh unit is formed by patterning a two-layered base film comprised of PET and metal foils.

Sugimachi discloses an EMI shielding film for a flat panel display device wherein the EMI film comprises a mesh unit formed by patterning a two-layered base film comprised of PET and metal foils. Sugimachi also discloses that such a mesh unit is

advantageous since it provides an effect of preventing the scattering of fragments when damaged and thus improving the safety (col. 3, lines 48-52).

Sugimachi is evidence that ordinary workers in the art would find a reason, suggestion or motivation to use conductive mesh unit that is formed by patterning a two-layered base film comprised of PET and metal foils.

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the EMI shielding film of Takahashi by forming the conductive mesh unit by patterning a two-layered base film comprised of PET and metal foils so that an effect of the scattering of fragments is prevented when damaged and thus safety is improved, as per the teachings of Sugimachi.

Accordingly, claim 12 would have been obvious.

Allowable Subject Matter

14. Claims 9 and 10 are allowed.
15. Claim 13 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

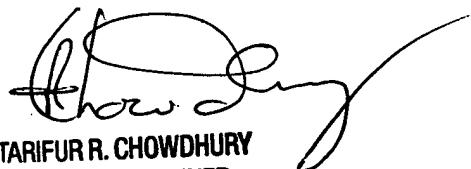
16. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tarifur R. Chowdhury whose telephone number is (571) 272-2287. The examiner can normally be reached on M-Th (6:30-5:00) Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Kim can be reached on (571) 272-2293. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TRC
November 16, 2005



TARIFUR R. CHOWDHURY
PRIMARY EXAMINER